

Title (en)

APPARATUS FOR COOLING THE BRAIN USING A GAS

Title (de)

VORRICHTUNG ZUR KÜHLUNG DES HIRNS MITHILFE VON GAS

Title (fr)

APPAREIL DE REFROIDISSEMENT DU CERVEAU AU MOYEN D'UN GAZ

Publication

**EP 2117485 B1 20130918 (EN)**

Application

**EP 08724870 A 20080128**

Priority

- US 2008001090 W 20080128
- US 89774507 P 20070126

Abstract (en)

[origin: WO2008094505A1] Apparatus for cooling the brain comprises a pernasal intubation tube (21) for insertion through one of the nostrils of a patient requiring brain cooling, an inflatable occluder (25) provided on the tube (21) to occlude the nasopharynx of the patient behind the soft palate of the patient and to prevent passage of liquid between the nasal cavities and the mouth of the patient; a pressure device (27) for application to the exterior of the nose of the patient so as to apply pressure to the angular vein of the patient thereby to increase venous blood flow to the patient's brain; and a coolant gas supply (29) for supplying coolant gas to at least one of the nasal cavities of the patient. Also described herein is a method of cooling the brain of a patient in danger of suffering brain damage comprising occluding the air passage leading from the nasal cavities to the mouth cavity of the patient behind the soft palate of the patient, applying pressure to an exterior part of the patient's nose so as to exert pressure on the angular vein of the patient thereby to increase venous blood flow to the patient's brain, and supplying a coolant gas to the nasal cavities of the patient.

IPC 8 full level

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CPC (source: EP US)

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